

Appl. No. 10/748,961

Amendment to Office Action of 12.29.2004

**Amendments to the Specification:**

**Please replace the first full paragraph on page 8 starting on line 3 with the following paragraph:**

Figure 2 shows a cross-sectional view of a preferred embodiment of the capillary tube anode tube assembly 3. The inner metallic tube layer 5 tube is comprised of the selected anode material, such as but not limited to Tungsten or Molybdenum. The metallic tube layer is typically between 10-1000 atomic layers thick and most preferably between 10-18 atomic layers thick. It is typically surrounded over all or a portion of its length by a cylindrical layer of a heat conducting layer 6, comprised of but not limited to Copper, Silver or Gold, to conduct away excess heat created as a result of the X-ray generation process. Further, the heat-conducting layer of the capillary tube anode tube assembly is typically surrounded by a radiation-absorbing layer 7 comprising a material chosen for its radiation absorption properties, such as but not limited to Lead.